

INTERNATIONAL SEARCH REPORT

 International Application No
 PCT/GB2004/004922

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04M3/42 H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04M H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X A	EP 1 195 975 A (INTELLPROP LIMITED) 10 April 2002 (2002-04-10) page 3, line 28 - page 4, line 1	1-8, 10-20 9
X A	GB 2 342 536 A (* ORANGE PERSONAL COMMUNICATIONS SERVICES LIMITED) 12 April 2000 (2000-04-12) page 3, line 5 - page 17, line 21	1-12, 16-20 13-15
X A	WO 99/66702 A (SONERA OYJ; LAHTINEN, PASI) 23 December 1999 (1999-12-23) page 2, line 15 - page 5, line 25	1-12, 16-20 13-15

☐ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

20 April 2005

Date of mailing of the international search report

09/05/2005

Name and mailing address of the ISA

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Authorized officer

Schweitz, M

INTERNATIONAL SEARCH REPORT

International Application No
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Patent document cited in search report			Publication date		Patent family member(s)	Publication date
EP 1195975	A	10-04-2002	EP	1195975 A2		10-04-2002
GB 2342536	A	12-04-2000	AU	6214899 A		01-05-2000
			EP	1118240 A1		25-07-2001
			WO	0022863 A1		20-04-2000
WO 9966702	A	23-12-1999	FI	981369 A		13-12-1999
			AU	4784299 A		05-01-2000
			CN	1310910 A		29-08-2001
			DE	1088439 T1		05-07-2001
			EP	1088439 A1		04-04-2001
			ES	2155050 T1		01-05-2001
			WO	9966702 A1		23-12-1999
			US	2001002364 A1		31-05-2001

PATENT COOPERATION TREATY

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (PCT Rule 71.1)

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Applicant's or agent's file reference P019232WO			IMPORTANT NOTIFICATION
International application No. PCT/GB2004/004922	International filing date (day/month/year) 22.11.2004	Priority date (day/month/year) 21.11.2003	
Applicant INTELLPROP LIMITED et al.			



1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

<p>Name and mailing address of the international preliminary examining authority:</p> <div style="text-align: center;">  </div> <p>European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016</p>	<p>Authorized Officer</p> <p>Emery, C</p> <p>Tel. +31 70 340-2848</p> <div style="text-align: right;">  </div>
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference P019232WO		FOR FURTHER ACTION		See Form PCT/PEA/416
International application No. PCT/GB2004/004922		International filing date (day/month/year) 22.11.2004	Priority date (day/month/year) 21.11.2003	
International Patent Classification (IPC) or national classification and IPC H04M3/42, H04Q7/38				
Applicant INTELLPROP LIMITED et al.				
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 6 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> sent to the applicant and to the International Bureau) a total of 6 sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>				
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>				
Date of submission of the demand 15.09.2005		Date of completion of this report 09.02.2006		
Name and mailing address of the international preliminary examining authority:  European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016		Authorized Officer Schweitz, M Telephone No. +31 70 340-4471		



**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/GB2004/004922

Box No. 1 Basis of the report

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
 - ☐ publication of the international application (under Rule 12.4)
 - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the **elements*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

Description, Pages

1-26 as originally filed

Claims, Numbers

1-44 received on 14.11.2005 with letter of 10.11.2005

Drawings, Sheets

1/3-3/3 as originally filed

☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing

3. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☒ the claims, Nos. 1-20
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages
- ☐ the claims, Nos.
- ☐ the drawings, sheets/figs
- ☐ the sequence listing (*specify*):
- ☐ any table(s) related to sequence listing (*specify*):

* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY**

International application No.
PCT/GB2004/004922

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	8-11, 13, 15, 17-21, 29-32, 34, 36, 38-42
	No: Claims	1-7, 12, 14, 16, 22-28, 33, 35, 37, 43, 44
Inventive step (IS)	Yes: Claims	
	No: Claims	1-44
Industrial applicability (IA)	Yes: Claims	1-44
	No: Claims	

2. Citations and explanations (Rule 70.7):

see separate sheet

Re Item V

**Reasoned statement with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement**

1 Reference is made to the following documents:

D1 : EP 1 195 975 A (INTELLPROP LIMITED) 10 April 2002

D2 : GB 2 342 536 A (ORANGE PERSONAL COMMUNICATIONS SERVICES
LIMITED) 12 April 2000

D3: WO 01/08430 A (INTELLPROP LIMITED) 1 February 2001

D4 : EP 1 267 556 A (ALCATEL) 18 December 2002

1.1 The documents D3 and D4 were not cited in the international search report. Copies of the documents are appended hereto.

2 The present application does not meet the criteria of Article 33(1) PCT, because the subject-matters of claims 1, 22, 43 and 44 are not new in the sense of Article 33(2) PCT.

2.1 The document D3 discloses (the references in parentheses applying to this document) all the features of independent claim 1:

a telecommunications apparatus comprising a telephone network, a telephone terminal operable to enable a user to specify dialling information in a form that comprises text (page 2, lines 28-31), means to process the dialling information to identify a connection associated with the text (page 2, lines 22-26), the network being adapted to receive an indialled call from the terminal, to set up the connection associated with the text and to connect the indialled call with the connection associated with the text (page 4, lines 5-7; "Optional call completion

could be achieved ... by a handset modification which would allow an audio call to be set up in parallel with the requesting SMS message.").

- 2.2 The above cited passage, "Optional call completion...", constitutes an implicit disclosure of a network adaptation to receive an indialled call, to set up the connection associated with the SMS message and to connect the indialled call with the connection associated with the SMS message.
- 2.3 Also document D4 discloses all the features of independent claim 1 (see figure 2 as well as paragraphs 0016 and 0017).
- 2.4 The same reasoning applies, mutatis mutandis, to the subject-matters of the corresponding independent claims 22, 43 and 44, which therefore are also considered not new.
- 3 Dependent claims 2-21 and 23-42 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step, see the relevant passages of documents D1 and D2 and any further documents cited in the search report as well as the herein referenced documents D3 and D4.
- 3.1 All features of claims 2-7, 12, 14, 16, 23-28, 33, 35 and 37 are explicitly or implicitly disclosed in document D3. Therefore, the subject-matters of said claims are considered not new (Article 33(2) PCT).
- 3.2 The features of claims 8-11, 13, 17, 20, 21, 29-32, 34, 38, 41 and 42 are considered trivial in their application to the field of telecommunications for a skilled person. Thus, the subject-matters of said claims cannot be considered as involving an inventive step (Article 33(3) PCT).
- 3.3 There appears to be no specific technical problem to which the technical features of claims 19 and 40 relate. As a result, also the subject-matters of claims 19 and 40

cannot be considered as involving an inventive step (Article 33(3) PCT).

3.4 For claims 15, 18, 36 and 39, see section VIII

Re Item VIII

Certain observations on the international application

- 1 The application does not meet the requirements of Article 6 PCT, because claims 15, 18, 36 and 39 are not clear.
 - 1.1 In claims 15 and 36 the terms "intelligently", "exceptions", "classes" and "rules" are not clearly defined and it is not possible to determine how the means or processing steps of said claims will achieve the claimed aim of deriving at an alphanumeric string.
 - 1.2 In claims 18 and 39 the meaning of the expression "translate between text dialling information and connections that are personalised..." cannot be established and thus renders the subject-matter of said claims unclear.

EPO - DG 1
14. 11. 2005
(108)AMENDED CLAIMS

1. Telecommunications apparatus comprising a telephone network, a telephone terminal operable to enable a user to specify dialling information in a form that comprises text, means to process the dialling information to identify a connection
5 associated with the text, the network being adapted to receive an indialled call from the terminal, to set up the connection associated with the text and to connect the indialled call with the connection associated with the text.

2. Apparatus as claimed in claim 1, in which the said means to process the
10 dialling information to identify a connection associated with the text is within the network.

3. Apparatus as claimed in claim 2, in which the terminal is operable to
15 transmit text dialling information to the network.

4. Apparatus as claimed in claim 1, in which the means to process the
dialling information to identify a connection associated with the text is partly within
the network and partly within the terminal.

20 5. Apparatus as claimed in claim 4, in which the terminal is operable to
transmit partly processed text dialling information to the network.

6. Apparatus as claimed in any one of claims 1 to 5, in which transmission
of text dialling information occurs before the indialled call, or at least partly in parallel
25 with the indialled call.

7. Apparatus as claimed in any one of claims 1 to 6, in which the terminal
is a mobile terminal.

30 8. Apparatus as claimed in any one of claims 1 to 7, in which the text
dialling information is addressed to a service number.

9. Apparatus as claimed in claim 8, in which the indialled call is addressed to a service number.

5 10. Apparatus as claimed in claim 9, in which the text dialling information and the indialled call are addressed to the same service number.

11. Apparatus as claimed in claim 8, 9 or 10, in which the service number is a short code or international number.
10

12. Apparatus as claimed in any one of claims 1 to 11, in which the text dialling information is transmitted as a text message, such as an SMS, EMS or GPRS text message.

13. Apparatus as claimed in any one of the preceding claims, in which an acknowledgement is returned to the telephone terminal indicating that the network has processed the text dialling information.
15

14. Apparatus as claimed in any one of the preceding claims, in which the text dialling information is processed at least partly in parallel with the indialled call.
20

15. Apparatus as claimed in any one of the preceding claims, in which the means to process the dialling information to identify a connection associated with the text is operable to process the text intelligently using a system of exceptions, classes and rules to derive an alphanumeric string from the text.
25

16. Apparatus as claimed in claim 15, in which the means to process the dialling information is further operable to determine a desired connection based on the derived alphanumeric string.
30

17. Apparatus as claimed in any one of the preceding claims, in which the means to process the dialling information to identify a connection associated with the

text retains memory of the connection and is operable to make a reconnection without re-entry of the text.

18. Apparatus as claimed in any one of the preceding claims, in which the
5 means to process the dialling information to identify a connection associated with the text is operable to translate between text dialling information and connections that are personalised to a particular individual or closed group of individuals.

19. Apparatus as claimed in any one of the preceding claims, in which the
10 means to process the dialling information to identify a connection associated with the text is operable to make connections to services and to generate service usage statistics regarding the numbers of calls to particular services and the text dialling information used to identify them.

20. Apparatus as claimed in any one of claims 1 to 19, in which the
15 connection associated with the text is characterised as a telephone number.

21. Apparatus as claimed in any one of claims 1 to 19, in which the
20 connection associated with the text is characterised without reference to a telephone number.

22. A method of operating telecommunications apparatus comprising a
telephone network and a telephone terminal, the method comprising the steps of
employing the terminal to enable a user to specify dialling information in a form that
25 comprises text, processing the dialling information to identify a connection associated with the text, indialling a call to the network, setting up the connection associated with the text in response to the indialled call and connecting the indialled call with the connection associated with the text.

23. A method as claimed in claim 22, in which the step of processing the
30 dialling information to identify the connection associated with the text employs means within the network.

24. A method as claimed in claim 23, in which text dialling information is transmitted from the terminal to the network.

5 25. A method as claimed in claim 22, in which the step of processing the dialling information to identify the connection associated with the text employs means partly within the network and partly within the terminal.

26. A method as claimed in claim 25, in which partly processed text
10 dialling information is transmitted from the terminal to the network.

27. A method as claimed in any one of claims 22 to 26, in which transmission of text dialling information occurs before the indialled call, or at least partly in parallel with the indialled call.
15

28. A method as claimed in any one of claims 22 to 27, in which the terminal is a mobile terminal.

29. A method as claimed in any one of claims 22 to 28, in which the text
20 dialling information is addressed to a service number.

30. A method as claimed in claim 29, in which the indialled call is addressed to a service number.

25 31. A method as claimed in claim 30, in which the text dialling information and the indialled call are addressed to the same service number.

32. A method as claimed in claim 29, 30 or 31, in which the service number is a short code or international number.
30

33. A method as claimed in any one of claims 22 to 32, in which the text dialling information is transmitted as a text message, such as an SMS, EMS or GPRS text message.

5 34. A method as claimed in any one of claims 22 to 33, in which an acknowledgement is returned to the telephone terminal indicating that the network has processed the text dialling information.

10 35. A method as claimed in any one of claims 22 to 34, in which the text dialling information is processed at least partly in parallel with the indialled call.

36. A method as claimed in any one of claims 22 to 35, in which the step of processing the dialling information to identify a connection associated with the text, comprises processing the text intelligently using a system of exceptions, classes and rules to derive an alphanumeric string from the text.

37. A method as claimed in claim 36, in which a desired connection is determined based on the derived alphanumeric string.

20 38. A method as claimed in any one of claims 22 to 37, in which the step of processing the dialling information to identify a connection associated with the text comprises retaining memory of the connection and making a reconnection without re-entry of the text.

25 39. A method as claimed in any one of claims 22 to 38, in which dialling information is translated between text dialling information and connections that are personalised to a particular individual or closed group of individuals.

30 40. A method as claimed in any one of claims 22 to 39, in which dialling information is processed to make connections to services and service usage statistics are generated regarding the numbers of calls to particular services and the dialling information used to identify them.

41. A method as claimed in any one of claims 22 to 40, in which the connection associated with the text is characterised as a telephone number.

5 42. A method as claimed in any one of claims 22 to 40, in which the connection associated with the text is characterised without reference to a telephone number.

43. A computer program for implementing a method according to any one
10 of claims 22 to 42.

44. A storage medium storing a computer program according to claim 43.